

Essential Data Mining Titles

 **CRC Press**
Taylor & Francis Group
A CHAPMAN & HALL BOOK

AVAILABLE NOW!

UNDERSTANDING COMPLEX DATA SETS *Data Mining with Matrix Decompositions*

David Skillicorn

Catalog no. C8326, 2007, 260 pp.

ISBN: 978-1-58488-832-1, \$69.95 / £39.99

COMPUTATIONAL METHODS OF FEATURE SELECTION

Huan Liu and Hiroshi Motoda

Catalog no. C8784, January 2008, 440 pp.

ISBN: 978-1-58488-878-9, \$89.95 / £49.99

CONSTRAINED CLUSTERING

Advances in Algorithms, Theory, and Applications

Edited by Sugato Basu, Ian Davidson, and Kiri Wagstaff

Catalog no. C9969, August 2008, 450 pp.

ISBN: 978-1-58488-996-0, \$79.95 / £41.99

KNOWLEDGE DISCOVERY FOR COUNTERTERRORISM AND LAW ENFORCEMENT

David Skillicorn

Catalog no. C7399, November 2008, 300 pp.

ISBN: 978-1-4200-7399-7, \$79.95 / £41.99

MULTIMEDIA DATA MINING

A Systematic Introduction to Concepts and Theory

Zhongfei Zhang and Ruofei Zhang

Catalog no. C9667, December 2008, 350 pp.

ISBN: 978-1-58488-966-3, \$89.95 / £46.99

NEXT GENERATION OF DATA MINING

Edited by

Hillol Kargupta, Jiawei Han, Philip Yu, Rajeev Motwani, and Vipin Kumar

Catalog no. C5867, December 2008, 650 pp.

ISBN: 978-1-4200-8586-0, \$89.95 / £46.99

DATA MINING FOR DESIGN AND MARKETING

Edited by Yukio Ohsawa and Katsutoshi Yada

Catalog no. C7019, January 2009, 330 pp.

ISBN: 978-1-4200-7019-4, \$89.95 / £46.99

GEOGRAPHIC DATA MINING AND KNOWLEDGE DISCOVERY

Second Edition

Edited by Harvey Miller and Jiawei Han

Catalog no. C3974, April 2009, 400 pp.

ISBN: 978-1-4200-7397-3, \$89.95 / £46.99

THE TOP TEN ALGORITHMS IN DATA MINING

Edited by Xindong Wu and Vipin Kumar

Catalog no. C9641, April 2009, 200 pp.

ISBN: 978-1-4200-8964-6, \$79.95 / £41.99

TEXT MINING

Theory, Applications, and Visualization

Edited by Ashok Srivastava and Mehran Sahami

Catalog no. C5940, June 2009, 400 pp.

ISBN: 978-1-4200-5940-3, \$79.95 / £41.99

BIOLOGICAL DATA MINING

Edited by Jake Chen and Stefano Lonardi

Catalog no. C6847, September 2009, 600 pp.

ISBN: 978-1-4200-8684-3, \$99.95 / £52.99

INFORMATION DISCOVERY ON ELECTRONIC HEALTH RECORDS

Edited by Vagelis Hristidis

Catalog no. C9038, December 2009, 300 pp.

ISBN: 978-1-4200-9038-3, \$89.95 / £46.99

TEMPORAL DATA MINING

Theophano Mitsa

Catalog no. C9765, March 2010, 200 pp.

ISBN: 978-1-4200-8976-9, \$79.95 / £41.99

FORTHCOMING!

RELATIONAL DATA CLUSTERING

Models, Algorithms, and Applications

Bo Long, Zhongfei Zhang, and Philip Yu

May 2010

KNOWLEDGE DISCOVERY FROM DATA STREAMS

Joao Gama

June 2010

PRIVACY-AWARE KNOWLEDGE DISCOVERY

Novel Applications and New Techniques

Edited by Francesco Bonchi and Elena Ferrari

August 2010

DATA MINING USING R

Learning with Case Studies

Luis Torgo

August 2010

HANDBOOK OF EDUCATIONAL DATA MINING

Edited by C. Romero, S. Ventura, S. Viola, M. Pechenizkiy, R. Baker

September 2010

PRIVACY-PRESERVING DATA PUBLISHING

Concepts and Techniques

Benjamin Fung, Ke Wang, Ada Wai-Chee Fu, and Philip Yu

September 2010

SOCIAL COMPUTING

A Data Mining Perspective

Huan Liu, Jianping Zhang, and Arunabha Sen

November 2010

SPATIAL AND SPATIOTEMPORAL DATA MINING

Shashi Shekhar and Ranga Raju Vatsavai

December 2010

MINING SOFTWARE SPECIFICATIONS

Methodologies and Applications

David Lo, Khoo Siau Cheng, Jiawei Han, and Chao Liu

January 2011

DATA ANALYTICS

A Problem-Solving Approach

Sanjay Chawla

February 2011

KNOWLEDGE-DRIVEN MEDICINE

A Machine Learning Approach

Glenn Fung and R. Bharat Rao

April 2011

MUSIC DATA MINING

Tao Li, George Tzanetakis, and Mitsunori Ogiwara

May 2011

AGENTS AND DATA MINING

Interaction and Integration

Longbing Cao and Chengqi Zhang

May 2011

DATA MINING AND MACHINE LEARNING FOR ASTRONOMICAL APPLICATIONS

Kamal Ali, Ashok Srivastava, Michael Way, and Jeffrey Scargle

July 2011

DATA MINING IN SYSTEMS HEALTH MANAGEMENT

Detection, Diagnostics, and Prognostics

Ashok Srivastava and Jiawei Han

November 2011

Data Mining and Knowledge Discovery Series

AIMS AND SCOPE:

As the field of data mining and knowledge discovery continues to grow, the timely dissemination of emerging research has become increasingly important both in math and stats, as well as across a range of disciplines seeking to take advantage of the wealth of data made available through informatics. This series aims to capture new developments and applications in data mining and knowledge discovery, while summarizing the computational tools and techniques useful in data analysis.

This series is being established to encourage the integration of mathematical, statistical, and computational methods and techniques through the publication of a broad range of textbooks, reference works, and handbooks. We are looking to include those single author and contributed works that will—

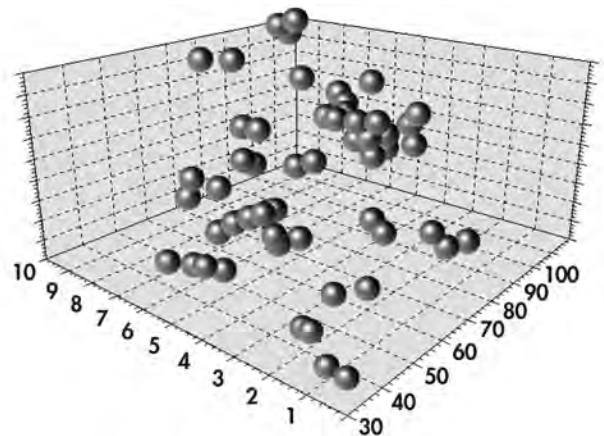
- Provide introductory and advanced instructional and reference material for students and professionals in the mathematical, statistical, and computational sciences
- Supply researchers with the latest discoveries and the resources they need to advance the field
- Offer assistance to those interdisciplinary researchers and practitioners seeking to make use of data mining technology without advanced mathematical backgrounds

The inclusion of concrete examples and applications is highly encouraged. The scope of the series includes, but is not limited to, titles in the areas of data mining and knowledge discovery methods and applications, modeling, algorithms, theory and foundations, data and knowledge visualization, data mining systems and tools, and privacy and security issues. We are willing to consider other relevant topics that might be proposed by potential contributors.

Series editor

Vipin Kumar

William Norris Professor and Head,
Department of Computer Science and Engineering
University of Minnesota
kumar@cs.umn.edu



Proposals for the series may be submitted to the series editor or directly to –

Randi Cohen

Computer Science Acquisitions Editor
Chapman & Hall/CRC Press
3108 Rockwater Way, Virginia Beach, VA 23456
757-427-0160 • 757-427-0376 (fax)
randi.cohen@taylorandfrancis.com